

Claims:

1. A device for recovering a material to be measured for dissolving the material in a solvent held by a reservoir to impregnate the solvent to an adsorbing column, eluting the adsorbed material with an eluant,  
5 and recovering the material in a recovery vessel, the device comprising:

a straight pipe communicating an out-flow side of the reservoir with an in-flow side of the adsorbing column; and

a branch node, branching at a middle of the straight pipe,  
10 connectable to a recovery pipe communicated with the recovery vessel.

2. A device for recovering a material to be measured according to claim 1, further comprising:

a first valve configured to open and close an in-flow side of the reservoir to feed the solvent therein for dissolving the material  
15 to be measured;

a second valve on an out-flow side of the adsorbing column configured to switch between a discharge of the solvent and a supply of the eluant for recovering the material to be measured adsorbed in the adsorbing column;

20 the recovery vessel being provided to the recovery pipe;

a vent hole being communicated with the recovery vessel; and

a third valve configured to open and close the vent hole.

3. A device for recovering a material to be measured according to claim 1, wherein the reservoir is filled with a filter material to  
25 preparatively purify a sample liquid.

4. A device for recovering a material to be measured according to claim 2, wherein a lower part of the straight pipe including the branch node is thicker in inner diameter than an upper part of the straight

pipe.

5. A device for recovering a material to be measured according to claim 2, wherein the branch node of the straight pipe is provided with a buffer by thickening a part of the inner diameter around the branch  
5 node than the other part, and the recovery pipe is projected to inside of the straight pipe and opens toward the adsorbing column.

6. A device for recovering a material to be measured according to claim 2, wherein the second valve enables to selectively alternate plural eluants.

10 7. A device for recovering a material to be measured according to claim 4, wherein the straight pipe is provided with one and more branch nodes.

8. A device for recovering a material to be measured according to claim 2, wherein the recovery vessel is provided with a syringe to vary  
15 the volume thereof.

9. A device for recovering a material to be measured according to claim 2, the device comprising:

a gas vessel filled with a gas to dry the adsorbing column;

a gas supply pipe configured to supply the gas to the adsorbing  
20 column; and

the third valve configured to communicate or block off between the gas supply pipe and the recovery vessel.

10. A device for recovering a material to be measured according to claim 2, the device comprising:

25 a solvent supply control unit configured to open the first valve, turn the second valve to discharge the solvent, and close the vent hole by the third valve, at feeding the solvent in the reservoir; and

a recovery control unit configured to close the first valve,

turn the second valve to supply the eluant, and open the vent hole by the third valve, at eluting the material to be measured absorbed in the adsorbing column.

11. A device for recovering a material to be measured according to claim 2, comprising a drying control unit configured to dry a path of the eluant after the solvent supply control unit ran the eluant therein.

12. A device for recovering a material to be measured according to claim 2, comprising an eluant supply control unit configured to discharge the residual eluant after the solvent supply control unit ran the eluant therein.

13. A method for recovering a material to be measured, comprising:

opening an in-flow side of a reservoir holding a sample liquid containing the material, communicating an out-flow side of an adsorbing column adsorbing the material with a solvent discharge pipe discharging a solvent, and closing a vent hole communicated with a recovery vessel provided to a recovery pipe branched from a straight pipe communicating the reservoir and the adsorbing column;

feeding the solvent from the in-flow side of the reservoir;

closing the in-flow side of the reservoir, communicating the out-flow side of the adsorbing column with the eluant supply pipe supplying the eluant for recovering the material adsorbed in the adsorbing column, and opening the vent hole; and

feeding the eluant from the eluant supply pipe to the adsorbing column.